

basidia are about  $15 \times 5-7 \mu$  large, with four short sterigma. The spores are cylindric, hyaline, smooth and  $5-6 \times 1-1.5 \mu$  large.

#### 10. *Trametes malicola* BERKELEY

This species grows on dead *Quercus* trunks and is found in middle part in Japan. It is noteworthy that the fresh sporophores have a fragrant odor similar to that of *Trametes odorata*. The hymenium is  $10-15 \mu$  thick. The basidia are  $6-8 \mu$  broad, with four long sterigma. The spores are elongate-ellipsoid to cylindric, smooth, hyaline and  $7-10 \times 3-4 \mu$  large.

#### 11. *Trametes flavescens* BRESADOLA

This species grows on rotten coniferous trunks and only found in northern part in Japan. The spores are cylindric, smooth, hyaline and  $7-12 \times 2.5-3 \mu$  large.

## 朝鮮ニ發見セラレタかはのりノ一種ニ就テ

岡 田 喜 一

Yoshikazu OKADA: On a new *Prasiola* from Corea.

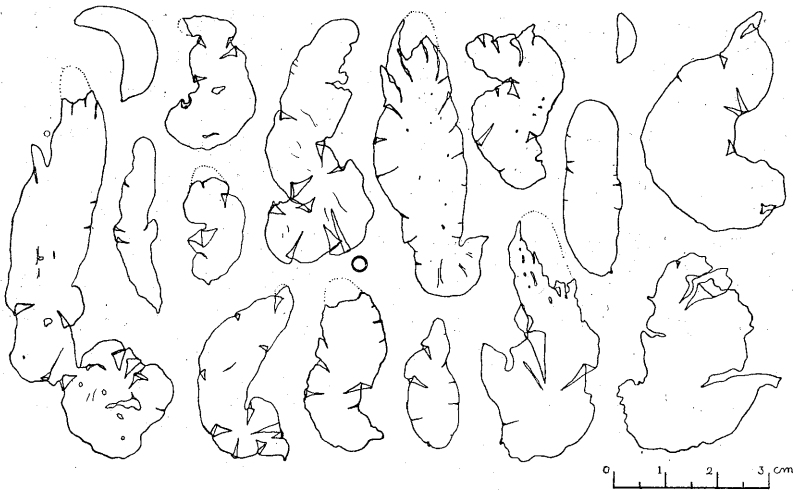
日本産かはのりトシテ認メラルベキモノハ現在4種類アルト考ヘラレルガ\* 其中、淡水産ノモノハ本州特産ノかはのり (*Prasiola japonica* YATABE) ト臺灣ノ山嶽地帯ニノミ分布スル臺灣かはのり (*Prasiola formosana* OKADA) ノ2種デアル。

然ルニ最近、北海道帝國大學教授山田幸男博士ハ偶々朝鮮元山附近ニ於テ發見セラレタ淡水産ノかはのりノ一種ノ標品ヲ入手セラレ、該種ガかはのり及ビ臺灣かはのりノ何レトモ異リ且ツ兩種ニ近似點ヲ有スルモノナル事ヲ認メラレタ。其後同博士ハ比較研究資料ノ關係上、此資料ヲ總テ筆者ニ送ラレ、研究及ビ發表ノ自由ヲ與ヘラレタ。依テ筆者ハ之等ノ資料 (約80箇體ノ腊葉標品)

\* 岡田喜一：日本産かはのり科ノ藻類 (植物研究雜誌 XIV, 469-480, 1938).

ニ基イテ研究ノ結果、該種ハ臺灣かはのりノ一新變種ニ屬スベキモノト認定シ、山田博士ノ御賛同ヲ得テ次ノ如ク報告スル次第デアル。

本文ニ先ダテ山田幸男先生ノ御厚情ニ對シ、謹ンデ感謝ノ意ヲ捧グ。



第 1 圖 朝鮮かはのり (*Prasiola formosana* OKADA var. *coreana* OKADA). 外形ノ個體的變異ヲ示ス。(○印ハ type specimen)

***Prasiola formosana* var. *coreana* OKADA var. nov.**

Thallus tenuis, membranaceus, margine crispatus, oblongus, oblanceolatus, obovatus, ovatus et lunatus, apice rotundatus, obtusatus, proemorsus vel partitus, basi attenuatus, acutus vel obtusus, 1~7.5 cm longus et 0.4~2.3 cm latus. Color in sicco prasinus. Cellulae superficiales semirobundae, rotundulotrigonae vel reniformes, 4~9  $\mu$  longae et 3~6  $\mu$  latae, quaternariae, irregulariter laxaeque dispositae, in sectione transversa monostichae, rectangulares vel subquadratae, 10~17.5  $\mu$  longae et 3~5  $\mu$  latae.

*Nom. Japon.* Chôsen-Kawanori. (朝鮮かはのり)

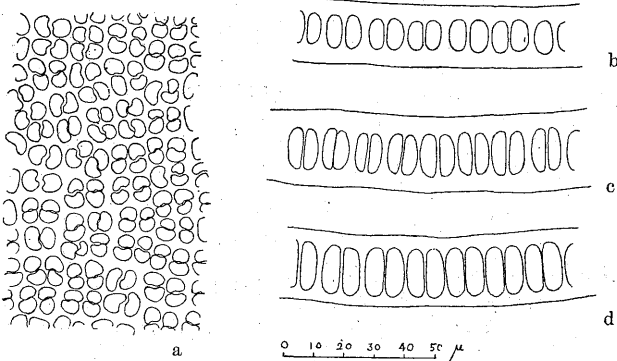
*Hab.* Tisenri, Bunsen-Gun, Kankyô-nandô, Corea. (朝鮮咸鏡南道文川郡智仙里)

*Leg.* Kentarô MAISAKA. (舞坂健太郎氏)。September 13, 1938.

Materials were obtained by the courtesy of Prof. Dr. Y. YAMADA. (Typus in *Herb. Hokkaido Imper. Univ.*).

The present variety well allied to *P. formosana* in its arrangement and the shape of cells, but can be distinguished from it by the thickness of thallus, dimension of cells in cross-section and the outward form of frond.

In some individuals, this prasiola also resembles *P. japonica* in the shape of cells in cross-section and the external appearance



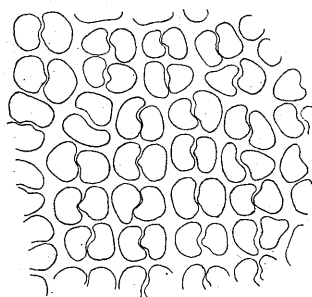
第 2 圖 朝鮮かはのり (*P. formosana* var. *coreana* OKADA).  
體ノ表面觀 (a) ト横斷面 (b~d) 個體的變異ヲ示ス。

of frond. But, these allied plants can easily be distinguished as follows.

KEY TO THE THREE ALLIED FRESHWATER SPECIES OF JAPANESE *Prasiola*.

- 1) Cells rectangular, regularly arranged in fours and forming fine areoles.  
Cells in cross-section quadrate. (Thickness of thallus  $19\sim 25\mu$ . Cells in cross-section  $4\sim 7\mu \times 9\sim 12\mu$ ) ..... *P. japonica*.
- 1) Cells reniform, semi-rotundate or rotundulo-trigonal, somewhat irregularly and loosely arranged in pairs. Cells in cross-section rectangular. .... 2
- 2) Thickness of thallus  $25\sim 40\mu$ . Cells in cross-section  $2\sim 6\mu \times 16\sim 21\mu$ .  
..... *P. formosana*.
- 2) Thickness of thallus  $20\sim 28\mu$ . Cells in cross-section  $3\sim 5\mu \times 10\sim 17.5\mu$ .  
..... *P. formosana* var. *coreana*.

尙、本種ノ產地ガ日本海ニ注グ河川ノ上流ニ位シテ居ル事ハ注目スベキ事實デアルト考ヘル。即チ、從來かはのり (*P. japonica*) ノ自生地ハ何レモ太平洋岸ノ河川ノ上流ニ限ラレ、日本海側ニハ全ク無イモノトセラレ、日本海ノ出現トかはのりノ分布トニ關シテ興味アル推論ガ行ハレテ居ルガ、今回かはのり (*P. japonica*) ニ近似ノ本種ガ此地點カラ發見セラレタ事ハ更ニ又、新タナ問題ヲ提供シタモノト考ヘラレ、然モ本種ガ臺灣かはのり (*P. formosana*) ニ酷似スル種類デアル事ハ分布上甚ダ興味深イモノト思フ。然シ、此等ノ分布問題



第3圖 朝鮮かはのりノ體ノ表面  
ニ於ケル細胞ノ形状並ニ配列  
状態ヲ示ス

ニ關シテハ他日稿ヲ改メテ書ク事モアラウカ  
ト考ヘルノデ此稿ニハ敢テ論及シナイ事トス  
ル。

**Explanation of Text-figures:** (1) Indi-  
vidual difference of *P. formosana* OKADA var.  
*coreana* OKADA. (Type specimen is marked  
with ○); (2) Areole of cells and individual  
difference of thickness and dimension of cells  
in the cross-section of thallus.; (3) Areole  
of cells. Showing the arrangement and the  
outward form of cells in the surface view.

## 米 國 腊 葉 室 便 り (其二)

原 寬

H. HARA: Critical Notes on Some East Asiatic Plants (II)

7) いはわうぎ 本種ハ紅紫色ノ花ヲ開ク *Hedysarum alpinum* L. ノ變種  
トサレル事ガアルガ、花色ノ異ル外、本種ノ莖ハ毛多ク莖片モ短ク三角形ヲナス  
ノデ別種トスベキデアル。最モ近イノハ東部シベリヤ産ノ *H. vicioides* TURCZ.  
(*H. esculentum* LEDEB.) デアルガ、後者ノ花梗・莖ハ略々無毛デ、苞ハ小ク線形、  
小葉モ幅狭ク脈ガ餘リ顯著デナイノデ區別サレル。

***Hedysarum iwawogi* HARA, sp. nov.**

Syn. *Hedysarum esculentum* (non LEDEBOUR) FRANCHET et SAVATIER,  
Enum. Pl. Jap. I, p. 99 (1874)—BOISSIEU in Bull. Herb. Boiss. VI, p. 667  
(1898)—MATSUMURA in Bot. Mag. Tokyo XVI, p. 68 (1902); Ind. Pl. Jap. II-  
2, p. 264 (1912)—TAKEDA, Kôzanshokubutsu-dzui ed. 2, no. 191 & 192 (1937).

*Hedysarum elongatum* (non FISCHER) FEDTSCHENKO in Bull. Herb. Boiss.  
VII, p. 256 (1899) quoad pl. ex Japonia.

*Hedysarum alpinum* L. var. *japonicum* FEDTSCHENKO in Acta Hort. Petrop.